

A HARDWARE SUPPORT SYSTEM FOR ACCELERATED DISK I/O

ABSTRACT OF THE DISCLOSURE

A hardware support system for implementing accelerated disk I/O for a computer system. The system includes a bus interface for interfacing with a processor and a system memory of the computer system, a disk I/O engine coupled to the bus interface, and a device interface coupled to the disk I/O engine for interfacing the disk I/O engine with a disk drive. The disk I/O engine is configured to cause a start up of the disk drive upon receiving a disk start up command from the processor. The disk I/O engine is further configured to execute a disk transaction by processing the disk transaction information from a bypass register coupled to the disk I/O engine.